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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new non provisional applications under 37 CFR 1.53(b))

APPLICATION ELEMENTS		Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC 20231			
See MPEP chapter 600 concerning utility patent application contents.					
<p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)</p> <p>2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages 27] / (preferred arrangement set forth below)</p> <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U. S. C. 113) [Total Sheets 11] /</p> <p>5. Oath or Declaration [Total Pages 38] /</p> <p>a. <input checked="" type="checkbox"/> Newly executed (original or copy) Copy from a prior application (37 CFR 1.63 (d)) (for continuation/divisional with Box 18 completed)</p> <p>b. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76</p>					
<p>18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:</p> <p><input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____</p> <p>Prior application information: Examiner _____ Group Art Unit: _____</p> <p>For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</p>					
19 CORRESPONDENCE ADDRESS					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		26384 <small>(Insert Customer No. or attach bar code label here)</small> <small>CUSTOMER NUMBER</small>	<small>or</small> <input type="checkbox"/> Correspondence address below		
Name		Naval Research Laboratory, Code 1008.2			
Address		4555 Overlook Ave., S.W., Code 1008.2			
City		Washington	State	DC	
Country		US	Telephone	202-404-1552	
Name (Print/Type)		John J. Karasek		Registration No. (Attorney/Agent)	36,182
Signature				Date	

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The PRO did not receive the following listed item(s) 38 Pages of Oath but received 1 page of Oath

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: /

Prior application information: _____ Examiner _____ Group Art Unit. _____
For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under 35 U.S.C. 132, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19 CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	26384 (Insert Customer No. or attach bar code label here) CUSTMER NUMBER	or <input type="checkbox"/> Correspondence address below	
Name	Naval Research Laboratory, Code 1008.2		
Address	4555 Overlook Ave., S.W,		
	Code 1008.2		
City	Washington	State	DC
Country	US	Telephone	Fax

Name (Print/Type)	John J. Karasek	Registration No. (Attorney/Agent)	36,182
Signature		Date	9/30/08

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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1950 U.S. PTO
09/03/03

FEE TRANSMITTAL

for FY 2003

Effective 0110112003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 750.00)

Complete if Known

Application Number	Not yet assigned
Filing Date	September 30, 2003
First Named Inventor	Sean J. Hart
Examiner Name	Not yet assigned
Art Unit	Not yet assigned
Attorney Docket No.	84,517

METHOD OF PAYMENT (check all that apply)

 Check Credit card Money Order Other None
 Deposit Account:

Deposit Account Number
Deposit Account Name

50-0281
NAVAL RESEARCH LABORATORY

The Commissioner is authorized to: (check all that apply)
 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 750	2001 375	Utility filing fee	750.00
1002 330	2002 165	Design filing fee	
1003 520	2003 260	Plant filing fee	
1004 750	2004 375	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1)			(\$ 750.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Independent Claims	Multiple Dependent	Extra Claims below Fee from	Fee Paid
7	-20-	=	x	
2	- 3 -	=	x	

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 84	2201 42	Independent claims in excess of 3
1203 280	2203 140	Multiple dependent claim, if not paid
1204 84	2204 42	Reissue independent claims over original patent
1205 18	2205 9	Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)		(\$ 0)

* or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65 Surcharge - late filing fee or oath	
1052 50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130 Non-English specification	
1812 2,520	1812 2,520 For filing a request for ex parte reexamination	
1804 920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251 110	2251 55 Extension for reply within first month	
1252 410	2252 205 Extension for reply within second month	
1253 930	2253 465 Extension for reply within third month	
1254 1,450	2254 725 Extension for reply within fourth month	
1255 1,970	2255 985 Extension for reply within fifth month	
1401 320	2401 160 Notice of Appeal	
1402 320	2402 160 Filing a brief in support of an appeal	
1403 280	2403 140 Request for oral hearing	
1451 1,510	1451 1,510 Petition to institute a public use proceeding	
1452 110	2452 55 Petition to revive - unavoidable	
1453 1,300	2453 650 Petition to revive - unintentional	
1501 1,300	2501 650 Utility issue fee (or reissue)	
1502 470	2502 235 Design issue fee	
1503 630	2503 315 Plant issue fee	
1460 130	1460 130 Petitions to the Commissioner	
1807 50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180 Submission of information Disclosure Stmt	
8021 40	8021 40 Recording each patent assignment per property (times number of properties)	
1809 750	2809 375 Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375 For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375 Request for Continued Examination (RCE)	
1802 900	1802 900 Request for expedited examination of a design application	

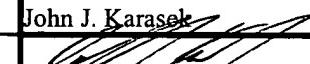
Other fee (specify) _____

• Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 0)

SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	John J. Karasek	Registration No. (Attorney/Agent)	36,182	Telephone (202) 404-1552
Signature		Date	9/30/03	

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.